查询12IMR25-03-2供应商

IMR 25...40 Series

25...40 Watt DC-DC Converters

Input voltage range up to 72 V DC
1, 2 or 3 outputs up to 30 V DC
1500 V DC I/O electric strength test voltage

- Low cost
- Short circuit protection
- Efficiency up to 82%

Selection chart

Output 1 $U_{o\ nom}$ [V DC]	Output 1 $I_{o\ nom}$ [A]	Output 2 $U_{o\ nom}$ [V DC]	Output 2 $I_{o\ nom}$ [A]	Output 3 $U_{o\ nom}$ [V DC]	Output 3 $I_{o\ nom}$ [A]	Type Input voltage 9...18 V DC	Type Input voltage 18...36 V DC	Type Input voltage 36...72 V DC
3.3	6.5	-	-	-	-	12 IMR 25-03-2	24 IMR 25-03-2	48 IMR 25-03-2
3.3	10	-	-	-	-	12 IMR 40-03-2	24 IMR 40-03-2	48 IMR 40-03-2
5	5	-	-	-	-	12 IMR 25-05-2	24 IMR 25-05-2	48 IMR 25-05-2
5	8	-	-	-	-	12 IMR 40-05-2	24 IMR 40-05-2	48 IMR 40-05-2
12	2.1	-	-	-	-	12 IMR 25-12-2	24 IMR 25-12-2	48 IMR 25-12-2
12	3.5	-	-	-	-	12 IMR 40-12-2	24 IMR 40-12-2	48 IMR 40-12-2
15	1.7	-	-	-	-	12 IMR 25-15-2	24 IMR 25-15-2	48 IMR 25-15-2
15	3	-	-	-	-	12 IMR 40-15-2	24 IMR 40-15-2	48 IMR 40-15-2
24	2	-	-	-	-	12 IMR 40-24-2	24 IMR 40-24-2	48 IMR 40-24-2
+5	4.7	–5	0.3	-	-	12 IMR 25-0505-2	24 IMR 25-0505-2	48 IMR 25-0505-2
+5	8	–5	0.5	-	-	12 IMR 40-0505-2	24 IMR 40-0505-2	48 IMR 40-0505-2
+12	1.8	–12	0.3	-	-	12 IMR 25-1212-2	24 IMR 25-1212-2	48 IMR 25-1212-2
+12	3	–12	0.5	-	-	12 IMR 40-1212-2	24 IMR 40-1212-2	48 IMR 40-1212-2
+15	1.4	–15	0.3	-	-	12 IMR 25-1515-2	24 IMR 25-1515-2	48 IMR 25-1515-2
+15	2	–15	0.5	-	-	12 IMR 40-1515-2	24 IMR 40-1515-2	48 IMR 40-1515-2
+5	4	+12	0.3	–12	0.3	12 IMR 25-051212-2	24 IMR 25-051212-2	48 IMR 25-051212-2
+5	6	+12	0.5	–12	0.5	12 IMR 40-051212-2	24 IMR 40-051212-2	48 IMR 40-051212-2
+5	3.5	+15	0.3	–15	0.3	12 IMR 25-051515-2	24 IMR 25-051515-2	48 IMR 25-051515-2
+5	6	+15	0.5	–15	0.5	12 IMR 40-051515-2	24 IMR 40-051515-2	48 IMR 40-051515-2
+5	12	–5	0.5	+12	0.5	-	24 IMR 40-050512-2	48 IMR 40-050512-2

Input

Input voltage	continuous range, 12 V	9...18 V DC
	continuous range, 24 V	18...36 V DC
	continuous range, 48 V	36...72 V DC
Reverse voltage protection	shunt diode	

Output

Output voltage setting accuracy	$U_{i\ nom}$, $I_{o\ nom}$	±2% $U_{o\ nom}$
Minimum load	recommended	20% $I_{o\ nom}$
Line regulation	$U_{i\ min}$...$U_{i\ max}$, $I_{o\ nom}$	±1% $U_{o\ nom}$
Load regulation	$U_{i\ nom}$, 0…100% $I_{o\ nom}$, single output models	±2% $U_{o\ nom}$
	dual and triple output models (tracking)	5% $U_{o\ nom}$
Output voltage switching noise	$U_{i\ nom}$, 20...100 $I_{o\ nom}$, peak-peak, total	max. 2% $U_{o\ nom}$

Control and protection

Overload protection	$U_{i\ min}$, full load	125% $P_{i\ nom}$
No-load protection		

Safety and EMC

Electric strength test voltage	I/O	1500 V DC
Electromagnetic interference	conducted with external filter	class B

Environmental

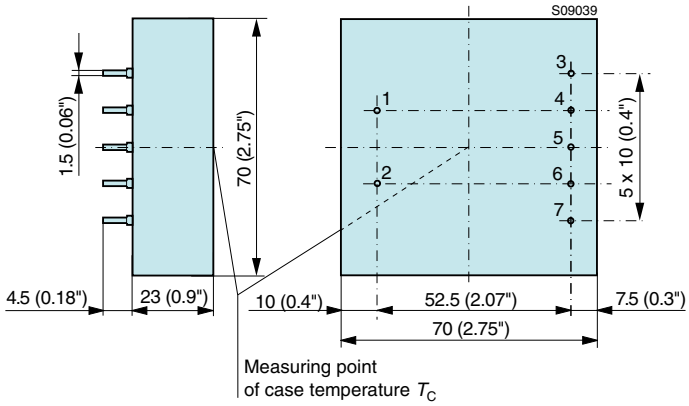
Operating ambient temperature	$U_{i\ nom}$, $I_{o\ nom}$	–10...50°C
Storage temperature	non operational	–25...85°C
Relative humidity	non condensing	95%
MTBF	MIL-HDBK-217F, N2	2'000'000 h

Mechanical data

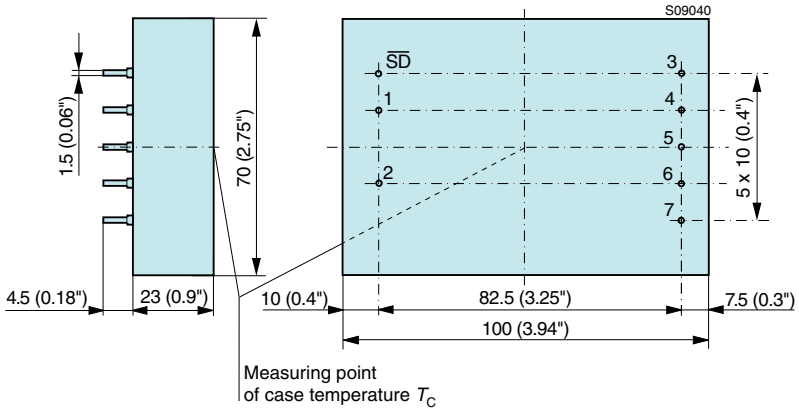
Tolerances ±0.3 mm (0.012") unless otherwise indicated.

European Projection

IMR 25 single and dual outputs units



IMR 25 triple output units and IMR 40



Pin allocation

Pin	Single output	Dual output	Triple output
1	Vi+	Vi+	Vi+
2	Vi–	Vi–	Vi–
3	Vo+	Vo+	Vo1+
4	Vo+	Vo+	COM
5	Vo–	COM	Vo2+
6	Vo–	COM	COM
7	n.c.	Vo–	Vo3–